## **Install Database Drivers**

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**RStudio Professional Database Drivers** 

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## **RStudio Professional Database Drivers**

The RStudio Pro Database Drivers are installed on-demand by the RStudio IDE. Doing so requires internet connectivity.

To test this, start RStudio and invoke the **New Connection** dialog from the Connections pane.

Environment	History	Connections		-
😟 New Conne	ection		Q,	
Connection			Status	
		-		

Figure 1: New Connection Button on Connections Pane Toolbar

The New Connection dialog shows the available database drivers.

Nev	v Connection		
c	onnect to Existing Data Sources		
4	Athena	>	^
0	BigQuery	>	
Ð	Cassandra	>	
¥	Hive	>	
9	Impala	>	
٠	MongoDB	>	
-	MySQL	>	
N	Netezza	>	*
?	Using RStudio Connections	Cancel	)

Figure 2: New Connections Dialog Showing Database Drivers

Select one, such as MySQL. RStudio first offers to install or update the necessary packages for database connectivity (unless previously installed). These packages apply to all database drivers, so this step will only happen once.

Insta	II Required Packages	×
?	Using MySQL requires updated versions of the following packages: odbc, rstudioapi.	
	Do you want to install these packages now?	
	Yes No	

Figure 3: Dialog Asking Permission to Install Database Connectivity Packages

Proceed, and the packages will download and install.



Figure 4: Installing Database Packages Progress Dialog

Once packages are installed, the prompt for installation of the database driver itself will appear.

On Windows, each driver needs to make changes to the registry, and will require administrator access.

Finally, the database connection can be configured by the user. On subsequent attempts to create a connection with this driver, RStudio will go straight to this screen.

New Connection		
Back MySQL Ins	tallation	
A This driver requires the Visual C-	+ + Redistributables.	
The MySQL driver is currently not ins	stalled. Download and Install?	
Installation Path:		
C:\Users\gary_\AppData\Local\R	Studio-Desktop\odbc\drivers	Browse
License: By downloading the MySQL d the MySQL driver may only is be used on a standalone ba agree that the MySQL drive license agreement at https "Software" under such agree and conditions thereof.	river I hereby acknowledge a be used with RStudio softwar sis or with other software. r is subject to the RStudio ://www.rstudio.com/about/eul ement and I agree to comply	and agree that the and may not Further, I end user .a/ and is with all terms
	Next	Cancel

Figure 5: Dialog Asking Permission to Install a Database Driver

 User Account Control
 ×

 Do you want to allow this app to make changes to your device?
 •

 Image: Control of the control

Figure 6: Windows User Account Control Dialog

Registry Editor		
	Adding information can unintentionally change or delete values a stop working correctly. If you do not trust the source of this infor C:\Users\gary_\AppData\Local\Temp\RtmplxhPpw\file2ab873331 registry. Are you sure you want to continue?	and cause components to mation in 48e.reg, do not add it to the
		Yes No

Figure 7: Registry Editor Asking Permission to Modify Registry

New Connection		
Back	MySQL Connection	
Server:		Port: 3306
Database:		
	Uninstall	Test
Connection:	Conne	ect from: R Console 🔹
library(DBI) con <- dbConn "3306", UID = "Database pas	<pre>ect(odbc::odbc(), Driver="mysql"     "", PWD = .rs.askForSecret("mys sword:"), Database = "", timeout</pre>	, Server = "", Port = ql 4134", "Password", = 10)
		OK Cancel

Figure 8: Dialog for Creating a Connection with a Database Driver